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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/941,945A

DATE: 02/26/2002

TIME: 09:39:17

Input Set : A:\032301.190.seq.ST25.txt

Output Set: N:\CRF3\02262002\I941945A.raw

3 <110> APPLICANT: BATHE, Brigitte, et al.  
 5 <120> TITLE OF INVENTION: NUCLEOTIDE SEQUENCES CODING FOR THE sigD GENE  
 7 <130> FILE REFERENCE: 032301 WD 190  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/941,945A  
 C--> 9 <141> CURRENT FILING DATE: 2001-08-30  
 9 <160> NUMBER OF SEQ ID NOS: 2  
 11 <170> SOFTWARE: PatentIn version 3.1  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 1129  
 15 <212> TYPE: DNA  
 16 <213> ORGANISM: Corynebacterium glutamicum  
 18 <220> FEATURE:  
 19 <221> NAME/KEY: CDS  
 20 <222> LOCATION: (301)..(864)  
 21 <223> OTHER INFORMATION:  
 24 <400> SEQUENCE: 1

25	catatgcagg cgaactcctg ctagtacgcc cgttctgacc tgcggttatg tgtcgagggtg	60
27	aatctccggt gaattcttat agataacttg tttttgcagg tcaggacggg gttaagggga	120
29	tgggtgttat ctgtcagtat gtgaggagat caagggtgtg ggggttctag ttgctaagat	180
31	ggtgaaaacc cgtgaggcca aaatccaact gggatgaatta cccctgcata aatgcatgag	240
33	ggctttatac ttgtcttatt attaaacttt tagggttttg atgcaggaag gtgcgagaac	300
35	ttg gct gat act gag cgc gag ctc gct gac ctg gta ccg cag gca acg	348
36	Met Ala Asp Thr Glu Arg Glu Leu Ala Asp Leu Val Pro Gln Ala Thr	
37	1 5 10 15	
39	gcg ggc gat cgt cgg gca ttg caa aga ata atg gag att att cac ccc	396
40	Ala Gly Asp Arg Arg Ala Leu Gln Arg Ile Met Glu Ile Ile His Pro	
41	20 25 30	
43	att gtt ttg cgt tat gct cgc gct cgt att gga ggt gga cgc cag cca	444
44	Ile Val Leu Arg Tyr Ala Arg Ala Arg Ile Gly Gly Gly Arg Gln Pro	
45	35 40 45	
47	acg gca gaa gac gtt gct caa gaa atc tgc ctg gcg gta gcc acc tcc	492
48	Thr Ala Glu Asp Val Ala Gln Glu Ile Cys Leu Ala Val Ala Thr Ser	
49	50 55 60	
51	att agg aac ttt gtc gac cag ggt agg ccg ttc atg gcg ttt gtc tac	540
52	Ile Arg Asn Phe Val Asp Gln Gly Arg Pro Phe Met Ala Phe Val Tyr	
53	65 70 75 80	
55	ggc att gca tct aac aag gtc gca gat gct cac agg gcg atg tcg agg	588
56	Gly Ile Ala Ser Asn Lys Val Ala Asp Ala His Arg Ala Met Ser Arg	
57	85 90 95	
59	gat aaa tcg act cct att gag gaa gtc cca gaa act tca cca gat act	636
60	Asp Lys Ser Thr Pro Ile Glu Glu Val Pro Glu Thr Ser Pro Asp Thr	
61	100 105 110	
63	ttt acc ccc gaa gac ttt gcg ctg gtc agc gat gga agt aac aga gtt	684

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64 Phe Thr Pro Glu Asp Phe Ala Leu Val Ser Asp Gly Ser Asn Arg Val
65      115      120      125
67 agg gaa ctt ctc gat cta ctg agt gaa aag gca cgc gac att ctt atc      732
68 Arg Glu Leu Leu Asp Leu Leu Ser Glu Lys Ala Arg Asp Ile Leu Ile
69      130      135      140
71 ttg aga gtt atc gtt ggt ctt tcc gca gaa gaa act gca gag atg gtg      780
72 Leu Arg Val Ile Val Gly Leu Ser Ala Glu Glu Thr Ala Glu Met Val
73 145      150      155      160
75 ggc agc acc cca ggt gct gta cga gtt gcc caa cac agg gca ctc acg      828
76 Gly Ser Thr Pro Gly Ala Val Arg Val Ala Gln His Arg Ala Leu Thr
77      165      170      175
79 aca ctt cga agc aca ctt gag cag cag gag aac aag taatgactcg      874
80 Thr Leu Arg Ser Thr Leu Glu Gln Gln Glu Asn Lys
81      180      185
83 acgtctacat ggtggtgagc aggatggcca ggaacacgtt aaaggacagc taaagcagct      934
85 gttcgacgac gacgcgttct tgactgacct gtcccgcggc gttgatccct cagagggcga      994
87 tgacgccctc gctggcctcc tcctcgattt aacaaaggaa gctcaggagc cgccggcaac      1054
89 aatgccggat tggctactt tgctccctgg aattttggat caggatcagg atttgccagt      1114
91 ggaatccact tcgga      1129
94 <210> SEQ ID NO: 2
95 <211> LENGTH: 188
96 <212> TYPE: PRT
97 <213> ORGANISM: Corynebacterium glutamicum
99 <400> SEQUENCE: 2
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105 Ala Gly Asp Arg Arg Ala Leu Gln Arg Ile Met Glu Ile Ile His Pro
106      20      25      30
109 Ile Val Leu Arg Tyr Ala Arg Ala Arg Ile Gly Gly Gly Arg Gln Pro
110      35      40      45
113 Thr Ala Glu Asp Val Ala Gln Glu Ile Cys Leu Ala Val Ala Thr Ser
114      50      55      60
117 Ile Arg Asn Phe Val Asp Gln Gly Arg Pro Phe Met Ala Phe Val Tyr
118 65      70      75      80
121 Gly Ile Ala Ser Asn Lys Val Ala Asp Ala His Arg Ala Met Ser Arg
122      85      90      95
125 Asp Lys Ser Thr Pro Ile Glu Glu Val Pro Glu Thr Ser Pro Asp Thr
126      100      105      110
129 Phe Thr Pro Glu Asp Phe Ala Leu Val Ser Asp Gly Ser Asn Arg Val
130      115      120      125
133 Arg Glu Leu Leu Asp Leu Leu Ser Glu Lys Ala Arg Asp Ile Leu Ile
134      130      135      140
137 Leu Arg Val Ile Val Gly Leu Ser Ala Glu Glu Thr Ala Glu Met Val
138 145      150      155      160
141 Gly Ser Thr Pro Gly Ala Val Arg Val Ala Gln His Arg Ala Leu Thr
142      165      170      175
145 Thr Leu Arg Ser Thr Leu Glu Gln Gln Glu Asn Lys
146      180      185

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VERIFICATION SUMMARY

DATE: 02/26/2002

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Input Set : A:\032301.190.seq.ST25.txt

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date